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## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/527,101A  
Source: PU  
Date Processed by STIC: 4/28/06

***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 04/28/2006

PATENT APPLICATION: US/10/527,101A

TIME: 09:47:42

Input Set : A:\Sequence Listing P1978R1.txt

Output Set: N:\CRF4\04282006\J527101A.raw

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3 <110> APPLICANT: SARAH C. BODARY
4     HILARY CLARK
5     JANET K. JACKMAN
6     JILL R. SCHOENFELD
7     WILLIAM I. WOOD
8     THOMAS D. WU
10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF PSORIASIS
12 <130> FILE REFERENCE: P1978R1-US
14 <140> CURRENT APPLICATION NUMBER: US 10/527,101A
C--> 15 <141> CURRENT FILING DATE: 2005-12-27
17 <150> PRIOR APPLICATION NUMBER: PCT/US03/28362
18 <151> PRIOR FILING DATE: 2005-09-10
20 <150> PRIOR APPLICATION NUMBER: US 60/410,242
21 <151> PRIOR FILING DATE: 2002-09-11
23 <160> NUMBER OF SEQ ID NOS: 42
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 732
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33  tgatggcttc atacatcgga tagttcccaa gttgatacaa aactggaaga 100
35  ttggccttat gtgcttcctg agtattatta ttactacagt ttgcattatt 150
37  atgatagcca catggtccaa gcatgctaaa cctgtggcat gttcagggga 200
39  ctggccttga gtgagagata agtgtttcta tttttctgat gataccagaa 250
41  attggacagc cagtaaaata tttttagttt tgcagaaagc agaacttgct 300
43  cagattgata cacaagaaga catggaattt ttgaagaggt acgcaggaac 350
45  tgatatgcac tggattggac taagcaggaa acaaggagat tcttggaaat 400
47  ggacaaatgg caccacattc aatggttggc catcaaactc caaatggtct 450
49  tgcaactgga gcctccgaca atggcttctt ctgctgggac cccttagata 500
51  ggctcttgag ggagctctga ctgccgtttc cccaaaacaa tgtcccctgt 550
53  cagcaggaag cagttaaata agtcttcata cttatcctta atataacggc 600
55  agttagatgt acttcttttag agggagtaaa tttatcaatt cagagcaatt 650
57  catcctcttc tttccatctt tgattcacag ttaataggct ataaattttg 700
59  ataatgtaga ataaactaca gaaaacttct tg 732
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 160
63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 2
67  Met Ile Asn Pro Glu Leu Arg Asp Gly Arg Ala Asp Gly Phe Ile
68    1           5           10           15
70  His Arg Ile Val Pro Lys Leu Ile Gln Asn Trp Lys Ile Gly Leu

```

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71          20          25          30
73 Met Cys Phe Leu Ser Ile Ile Ile Thr Thr Val Cys Ile Ile Met
74          35          40          45
76 Ile Ala Thr Trp Ser Lys His Ala Lys Pro Val Ala Cys Ser Gly
77          50          55          60
79 Asp Trp Leu Gly Val Arg Asp Lys Cys Phe Tyr Phe Ser Asp Asp
80          65          70          75
82 Thr Arg Asn Trp Thr Ala Ser Lys Ile Phe Cys Ser Leu Gln Lys
83          80          85          90
85 Ala Glu Leu Ala Gln Ile Asp Thr Gln Glu Asp Met Glu Phe Leu
86          95          100          105
88 Lys Arg Tyr Ala Gly Thr Asp Met His Trp Ile Gly Leu Ser Arg
89          110          115          120
91 Lys Gln Gly Asp Ser Trp Lys Trp Thr Asn Gly Thr Thr Phe Asn
92          125          130          135
94 Gly Trp Pro Ser Asn Ser Lys Trp Ser Cys Asn Trp Ser Leu Arg
95          140          145          150
97 Gln Trp Leu Leu Leu Gly Pro Leu Arg
98          155          160
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 2466
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 3
106 atctgtggga gcagtttatt ccagtatcac ccaggggtgca gccacaccag 50
108 gactgtgttg aaggggtgtt tttttctttt aaatgtaata cctcctcatc 100
110 ttttcttctt acacagtgtc tgagaacatt tacattatag ataagtagta 150
112 catggtggat aacttctact tttaggagga ctactctctt ctgacagtcc 200
114 tagactgggtc ttctacacta agacaccatg aaggagtatg tgctcctatt 250
116 attcctgggtc ttgtgctctg ccaaaccctt ctttagccct tcacacatcg 300
118 cactgaagaa tatgatgctg aaggatatgg aagacacaga tgatgatgat 350
120 gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
122 tccaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
124 tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
126 ttaggtttga cctcagtcac aaccaacatt ccatttgata ctggaatgct 550
128 tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gatttttaaag 600
130 gactcacttc actttatggg ctgatcctga acaacaacaa gctaacgaag 650
132 attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
134 gtcccacaat caactaagtg aaataccact taatcttccc aaatcattag 750
136 cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
138 ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaacctctc 850
140 tgataataat gggatagagc cagggggcatt tgaaggggtg acggtgttcc 900
142 atatcagaat tgcagaagca aaactgacct cagttcctaa aggcttacca 950
144 ccaactttat tggagcttca cttagattat aataaaaatt caacagtgga 1000
146 acttgaggat tttaaacgat acaaagaact acaaaggctg ggcctaggaa 1050
148 acaacaaaat cacagatatc gaaaatggga gtcttgctaa cataccacgt 1100
150 gtgagagaaa tacatttgga aaacaataaa ctaaaaaaaaaa tcccttcagg 1150
152 attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
154 ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250

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156 aaatctttat acagtgcaat aagtttattc aacaacccgg tgaaatactg 1300
158 ggaaatgcaa cctgcaacat ttcgttgtgt tttgagcaga atgagtgttc 1350
160 agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
162 atataagatt caaaaatccc tacatttgga atacttgaac tctattaata 1450
164 atggtagtat tatatataca agcaaatatc tattctcaag tggtaagtcc 1500
166 actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
168 gatacataag ggtagagaga aacaagcatc tattgcagtt tctttttgcg 1600
170 tacaaatgat cttacataaa tctcatgctt gaccattcct ttcttcataa 1650
172 caaaaaagta agatattcgg tatttaacac tttgttatca agcacatttt 1700
174 aaaaagagct gtactgtaaa tggaaatgctt gacttagcaa aatttgtgct 1750
176 ctttcatttg ctggttagaaa aacagaatta acaaagacag taatgtgaag 1800
178 agtgcattac actattctta ttcttttagta gcttgggtag tactgtaata 1850
180 tttttaatca tcttaaagta tgatttgata taatcttatt gaaattacct 1900
182 tatcatgtct tagagcccggt ctttatgttt aaaactaatt tcttaaaata 1950
184 aagccttcag taaatgttca ttaccaactt gataaatgct actcataaga 2000
186 gctggtttgg ggctatagca tatgcttttt tttttttaat tattacctga 2050
188 tttaaaaatc tctgtaaaaa cgtgtagtgt ttcataaaat ctgtaactcg 2100
190 cattttaatg atccgctatt ataagctttt aatagcatga aaattgttag 2150
192 gctatataac attgccactt caactctaag gaataatttt gagatatccc 2200
194 tttggaagac cttgcttgga agagcctgga cactaacaat tctacaccaa 2250
196 attgtctctt caaatacgtg tggactggat aactctgaga aacacatcta 2300
198 gtataactga ataagcagag catcaaatta aacagacaga aaccgaaaagc 2350
200 tctatataaa tgctcagagt tctttatgta tttcttattg gcattcaaca 2400
202 tatgtaaaat cagaaaacag ggaaattttc attaaaaata ttggtttgaa 2450
204 aaaaaaaaaa aaaaaa 2466

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206 &lt;210&gt; SEQ ID NO: 4

207 &lt;211&gt; LENGTH: 381

208 &lt;212&gt; TYPE: PRT

209 &lt;213&gt; ORGANISM: Homo sapiens

211 &lt;400&gt; SEQUENCE: 4

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212 Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
213 1 5 10 15
215 Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
216 20 25 30
218 Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp
219 35 40 45
221 Asp Asp Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr
222 50 55 60
224 Arg Glu Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met
225 65 70 75
227 Cys Pro Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser
228 80 85 90
230 Asp Leu Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr
231 95 100 105
233 Arg Met Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu
234 110 115 120
236 Asn Asp Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn
237 125 130 135
239 Asn Asn Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr

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240          140          145          150
242 Lys Lys Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu
243          155          160          165
245 Ile Pro Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His
246          170          175          180
248 Glu Asn Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met
249          185          190          195
251 Asn Ala Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn
252          200          205          210
254 Asn Gly Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His
255          215          220          225
257 Ile Arg Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu
258          230          235          240
260 Pro Pro Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser
261          245          250          255
263 Thr Val Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg
264          260          265          270
266 Leu Gly Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser
267          275          280          285
269 Leu Ala Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn
270          290          295          300
272 Lys Leu Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu
273          305          310          315
275 Gln Ile Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val
276          320          325          330
278 Asn Asp Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr
279          335          340          345
281 Ser Ala Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met
282          350          355          360
284 Gln Pro Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln
285          365          370          375
287 Leu Gly Asn Phe Gly Met
288          380
290 <210> SEQ ID NO: 5
291 <211> LENGTH: 1082
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 5
296 gatcccagac ctcggcttgc agtagtggtta gactgaagat aaagtaagtg 50
298 ctgtttgggc taacaggatc tcctcttgca gtctgcagcc caggacgctg 100
300 attccagcag cgccttaccg cgcagcccga agattcacta tggtgaaaat 150
302 cgccttcaat acccctaccg ccgtgcaaaa ggaggaggcg cggcaagacg 200
304 tggaggccct cctgagccgc acggtcagaa ctcagatact gaccggcaag 250
306 gagctccgag ttgccacctc ggaaaaagag ggctcctctg ggagatgtat 300
308 gcttactctc ttaggccttt cattcatctt gccaggactt attgttggtg 350
310 gagcctgcat ttacaagtac ttcattgcca agagcaccat ttaccgtgga 400
312 gagatgtgct tttttgattc tgaggatcct gcaaattccc ttcgtggagg 450
314 agagcctaac ttcctgcctg tgactgagga ggctgacatt cgtgaggatg 500
316 acaacattgc aatcattgat gtgcctgtcc ccagtttctc tgatagtgac 550

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Input Set : A:\Sequence Listing P1978R1.txt

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318 cctgcagcaa ttattcatga ctttgaaaag ggaatgactg cttacctgga 600
320 cttgttgctg ggggaactgct atctgatgcc cctcaatact tctattgtta 650
322 tgcctccaaa aaatctggta gagctctttg gcaaactggc gagtggcaga 700
324 tatctgcctc aaacttatgt gggttcgagaa gacctagtgt ctgtggagga 750
326 aattcgtgat gttagtaacc ttggcatctt tatttaccaa ctttgcaata 800
328 acagaaaagtc cttccgcctt cgtcgcagag acctcttgct gggtttcaac 850
330 aaacgtgcca ttgataaatg ctggaagatt agacacttcc ccaacgaatt 900
332 tattgttgag accaagatct gtcaagagta agaggcaaca gatagagtgt 950
334 ccttggtaat aagaagtcag agatttacia tatgacttta acattaaggt 1000
336 ttatgggata ctcaagatat ttactcatgc atttactcta ttgcttatgc 1050
338 cgtaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1082
340 <210> SEQ ID NO: 6
341 <211> LENGTH: 263
342 <212> TYPE: PRT
343 <213> ORGANISM: Homo sapiens
345 <400> SEQUENCE: 6
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347 1 5 10
349 Glu Ala Arg Gln Asp Val Glu Ala Leu Leu Ser Arg Thr Val Arg
350 20 25 30
352 Thr Gln Ile Leu Thr Gly Lys Glu Leu Arg Val Ala Thr Gln Glu
353 35 40 45
355 Lys Glu Gly Ser Ser Gly Arg Cys Met Leu Thr Leu Leu Gly Leu
356 50 55 60
358 Ser Phe Ile Leu Ala Gly Leu Ile Val Gly Gly Ala Cys Ile Tyr
359 65 70 75
361 Lys Tyr Phe Met Pro Lys Ser Thr Ile Tyr Arg Gly Glu Met Cys
362 80 85 90
364 Phe Phe Asp Ser Glu Asp Pro Ala Asn Ser Leu Arg Gly Gly Glu
365 95 100 105
367 Pro Asn Phe Leu Pro Val Thr Glu Glu Ala Asp Ile Arg Glu Asp
368 110 115 120
370 Asp Asn Ile Ala Ile Ile Asp Val Pro Val Pro Ser Phe Ser Asp
371 125 130 135
373 Ser Asp Pro Ala Ala Ile Ile His Asp Phe Glu Lys Gly Met Thr
374 140 145 150
376 Ala Tyr Leu Asp Leu Leu Leu Gly Asn Cys Tyr Leu Met Pro Leu
377 155 160 165
379 Asn Thr Ser Ile Val Met Pro Pro Lys Asn Leu Val Glu Leu Phe
380 170 175 180
382 Gly Lys Leu Ala Ser Gly Arg Tyr Leu Pro Gln Thr Tyr Val Val
383 185 190 195
385 Arg Glu Asp Leu Val Ala Val Glu Glu Ile Arg Asp Val Ser Asn
386 200 205 210
388 Leu Gly Ile Phe Ile Tyr Gln Leu Cys Asn Asn Arg Lys Ser Phe
389 215 220 225
391 Arg Leu Arg Arg Arg Asp Leu Leu Leu Gly Phe Asn Lys Arg Ala
392 230 235 240
394 Ile Asp Lys Cys Trp Lys Ile Arg His Phe Pro Asn Glu Phe Ile

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**VERIFICATION SUMMARY**

DATE: 04/28/2006

PATENT APPLICATION: US/10/527,101A

TIME: 09:47:43

Input Set : A:\Sequence Listing P1978R1.txt

Output Set: N:\CRF4\04282006\J527101A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date